

UNITED STATES PATENT & TRADEMARK OFFICE

Examiner: KOSSON, Rosanne Art Unit: 1652

Re: Application of: CHOE, Mu-Hyeon, *et al.*

Serial No.: 10/562,627

Filed: December 22, 2005

For: **THE DIMER OF CHIMERIC
RECOMBINANT BINDING DOMAIN-
FUNCTIONAL GROUP FUSION FORMED
VIA DISULFIDE-BOND-BRIDGE AND THE
PROCESSES FOR PRODUCING THE SAME**

Confirmation No.: 6450

RESPONSECommissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

January 11, 2008

Sir:

Responsive to the Office Action dated September 11, 2007, the following remarks are made:

A. Restriction Requirement & Election of Species Requirement

The Examiner indicated that "Applicants did not elect one specific and definite monomer fusion protein that is the second half of the dimer, an election that is required for claims 31-36 to be examined". The Examiner referred to the paragraph bridging pages 3 and 4 of the Office Action dated May 23, 2007.

In response, Applicants elect a homodimer from among homodimers and heterodimers recited in claims 31-36 and 40. The second half of the homodimer corresponds to a monomer of Group 1, claims 21, 27, 30 and 39. Thus, the second half of the homodimer is a fusion protein monomer including a functional domain that is an enzyme, an extension peptide containing a C residue, and a binding domain.

Concerning the Examiner's comments on the species, Applicants elect to further